

Title (en)

DIRECT ONE-STEP SYNTHESIS OF TRIFLUOROMETHYL IODIDE

Title (de)

DIREKTE SYNTHESE VON TRIFLUOROMETHYLIODID IN EINEM SCHRITT

Title (fr)

SYNTHESE DIRECTE A ETAPE UNIQUE DE IODURE DE TRIFLUOROMETHYL

Publication

EP 1819650 B1 20081001 (EN)

Application

EP 05853437 A 20051207

Priority

- US 2005044510 W 20051207
- US 756804 A 20041208

Abstract (en)

[origin: US6977316B1] A catalytic one-step process for the production of CF₃I by reacting, preferably in the presence of a source of oxygen, a source of iodine with a reactant of the formula: CF_3R where R is -SH, -S-S-CF₃, -S-phenyl, or -S-Si(CH₃)₃. The catalyst may be a metal salt such as salts of Cu, Hg, Pt, Pd, Co, Mn, Rh, Ni, V, Ti, Ba, Cs, Ca, K and Ge and mixtures thereof, preferably on a support such as MgO, BaO and CaO, BaCO₃, CsNO₃, Ba (NO₃)₂, activated carbon, basic alumina, and ZrO₂.

IPC 8 full level

C07C 17/093 (2006.01); **C07C 17/361** (2006.01); **C07C 19/16** (2006.01)

CPC (source: EP US)

C07C 17/093 (2013.01 - EP US); **C07C 17/361** (2013.01 - EP US); **C07C 19/16** (2013.01 - EP US)

C-Set (source: EP US)

1. **C07C 17/093** + **C07C 19/16**
2. **C07C 17/361** + **C07C 19/16**

Designated contracting state (EPC)

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DOCDB simple family (publication)

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